

COMMERCIAL ITEM DESCRIPTION

CIRCUIT BREAKER, AUTOMOTIVE TYPE

The General Services Administration has authorized the use of this commercial item description (CID).

Abstract. This CID covers the general requirements for an automotive type circuit breaker. Circuit breakers covered by this CID are intended for commercial/industrial applications.

Part or Identifying Number (PIN). The PIN for the CID shall be as shown in the following example:

A-A-55490	-	001
CID number		Dash number (see table I)

Salient characteristics.

Design and construction. Circuit breakers supplied to this CID shall be as specified herein (see figure 1) and shall meet the requirements of SAE J553 for automotive type circuit breakers

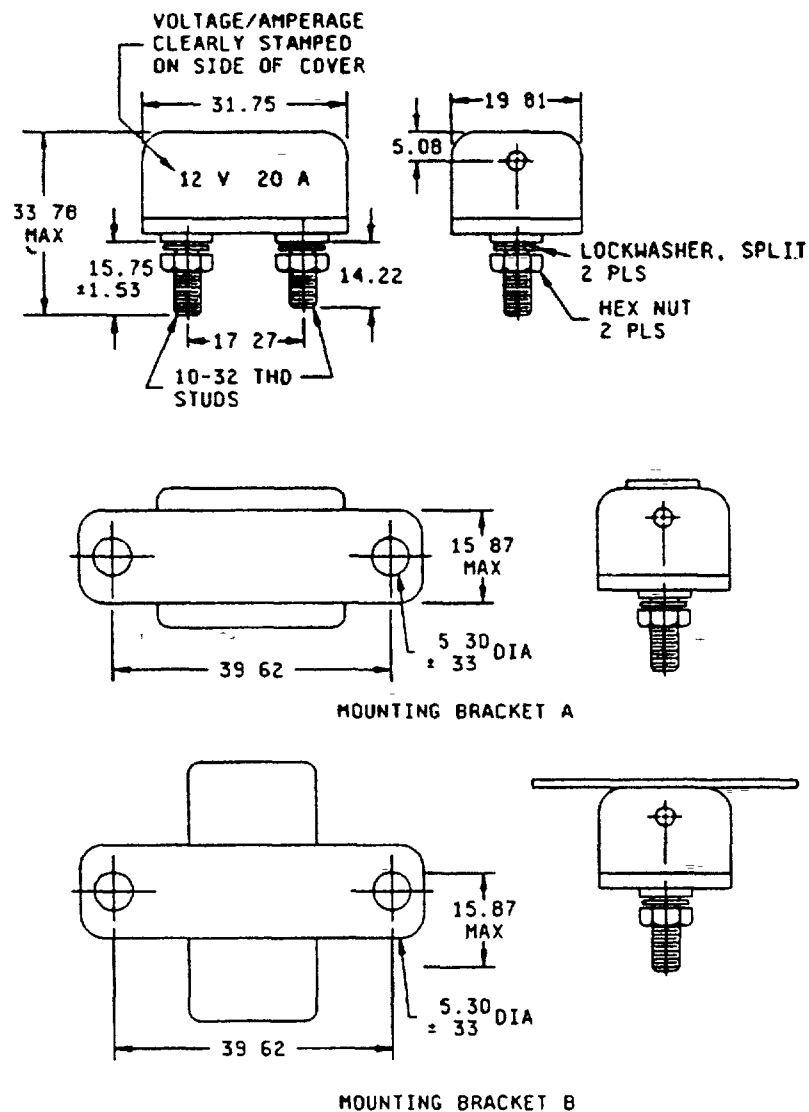
Ampere rating. The ampere rating shall be as specified in table I.

Voltage rating. The voltage rating shall be 12 V dc.

Termination style. The termination style shall be 10-32 threaded studs and shall be supplied with lock washers and hex nuts (see figure 1).

Marking. Circuit breakers supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Regulatory requirements This section is not applicable to this CID.



mm	Inches	mm	Inches
.33	.012	15.87	.625
1.53	.060	17.27	.680
5.08	.200	19.81	.780
5.30	.208	31.75	1.250
14.22	.559	33.78	1.330
15.75	.620	39.62	1.560

## NOTES

1. Dimensions are in millimeters
2. Unless otherwise specified, tolerance is  $\pm 0.13$  millimeter (.005 inch)
3. The US government preferred system of measurement is the metric SI system. However, this item was originally designed using inch-pound units of measurement. In the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

Figure 1. Configurations and dimensions

TABLE I Electrical characteristics.

A-A-55490-	Ampere rating	Mounting bracket configuration	A-A-55490-	Ampere rating	Mounting bracket configuration
001	4	No bracket	019	15	Mounting bracket A
002	5		020	20	
003	6		021	25	
004	8		022	30	
005	10		023	40	
006	12		024	50	
007	15		025	4	Mounting bracket B
008	20		026	5	
009	25		027	6	
010	30		028	8	
011	40		029	10	
012	50		030	12	
013	4	Mounting bracket A	031	15	
014	5		032	20	
015	6		033	25	
016	8		034	30	
017	10		035	40	
018	12		036	50	

Quality assurance provisions.

Responsibility for inspection Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection, examination, and test requirements specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections, examinations, or tests set forth in this description where such inspections, examinations, and tests are deemed necessary to assure supplies and services conform to prescribed requirements.

Contractor certification statement The contractor shall certify and maintain objective quality evidence that the product offered meets the requirements of this CID, and that the product conforms to the producer's own drawings, specifications, standards, quality assurances practices, and is the same as the product provided as a bid sample. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Certificate of compliance A certificate of compliance shall accompany all automotive type circuit breakers supplied to this CID. The letter of certification shall state that the automotive circuit breaker meets all the requirements of SAE J553 and all the requirements of this CID.

A-A-55490

Packaging.

Preservation, packaging, packing, labeling, and marking. Preservation, packaging, packing, labeling, and marking shall be as specified in the contract or purchase order.

Notes This section contains relevant information which is useful to buyers, users, and suppliers in the process of acquiring the item, but is not mandatory.

Referenced document. The following document, of the issue in effect on date of invitation for bids for request for proposal, form a part of this CID to the extent specified herein

Other Publication

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

SAE J553 - Circuit Breakers.

(Applications for copies should be addressed to the Society of Automotive Engineers, Incorporated, 400 Commonwealth Drive, Warrendale, PA 15096-0001.)

Ordering data. The contract or purchase order shall specify the following:

- a. CID document number and revision and CID PIN.
- b. Quality assurance provisions
- c. Packaging requirements.

Comments. Comments on this CID should be directed to Defense Electronics Supply Center, 1507 Wilmington Pike, ATTN: DESC-EMM, Dayton, OH 45444-5270, or telephone (513) 296-6184, or fax (513) 296-8868

Suggested sources of supply. Suggested sources of supply are listed herein. Additional sources will be added as they become available.

CID dash number (see table I) A-A-55490--	Vendor commercial PIN CAGE 11873	Vendor commercial PIN CAGE 13445	CID dash number (see table I) A-A-55490-	Vendor commercial PIN CAGE 11873	Vendor commercial PIN CAGE 13445
001	---	30056-4	019	121B15-B2P-HA	30055-15
002	121B05-00M-HA	30056-5	020	121B20-B2P-HA	30055-20
003	121B06-00M-HA	30056-6	021	121B25-B2P-HA	30055-25
004	121B08-00M-HA	30056-8	022	121B30-B2P-HA	30055-30
005	121B10-00M-HA	30056-10	023	121B40-B2P-HA	30055-40
006	121B12-00M-HA	---	024	121B50-B2P-HA	30055-50
007	121B15-00M-HA	30056-15	025	---	30128-4
008	121B20-00M-HA	30056-20	026	121B05-A2P-HA	30128-5
009	121B25-00M-HA	30056-25	027	121B06-A2P-HA	30128-6
010	121B30-00M-HA	30056-30	028	121B08-A2P-HA	30128-8
011	121B40-00M-HA	30056-40	029	121B10-A2P-HA	30128-10
012	121B50-00M-HA	30056-50	030	121B12-A2P-HA	---
013	---	30055-4	031	121B15-A2P-HA	30128-15
014	121B05-B2P-HA	30055-5	032	121B20-A2P-HA	30128-20
015	121B06-B2P-HA	30055-6	033	121B25-A2P-HA	30128-25
016	121B08-B2P-HA	30055-8	034	121B30-A2P-HA	30128-30
017	121B10-B2P-HA	30055-10	035	121B40-A2P-HA	30128-40
018	121B12-B2P-HA	---	036	121B50-A2P-HA	30128-50

Vendor CAGE  
number

11873

Vendor name  
and address

Cooper Industries  
USD Products  
7300 W. Wilson Avenue  
Chicago, IL 60656-4600  
(708) 867-2255

13445

Cole Hersee Company  
20 Old Colony Avenue  
Boston, MA 02127-2405  
(617) 268-2100

A-A-55490

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

PREPARING ACTIVITY.

DLA-ES

Project 5925-D152